

## SUMMARY OF SUBCOMMITTEE MEETING

**DATE:** December 4, 2001

**TO:** Ross Dunfee, Steering Committee Chairman  
Tony Barrett, Department of Ecology

**COPY:** Steering Committee Members and Consultant Team

**FROM:** Doug Busko, DEA and Jim St. John, DEA

**SUBJECT:** **Summary of Stormwater Manual Subcommittee Meeting**  
**Moses Lake Conference Center**  
**November 29, 2001 1:30 pm - 3:30 pm**

**PROJECT:** EASTERN WASHINGTON STORMWATER MANAGEMENT  
Stormwater Management Technical Manual *and*  
Model Municipal NPDES Phase II Stormwater Program

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### Subcommittee Meeting Attendees:

Dan Gatchalian – Yakima County	Paul Barrett – Kittitas County
Gary Beeman – WSDOT	Dave Kliewer – JUB Engineers
Steve Worley – Spokane County	Steve Hansen – City of Spokane
Jocelyne Gray – JUB Engineers	Riley Atkins – DEA
Sandra Levey – Grant County PUD	Jim St. John – DEA
Greg Lahti – WSDOT	Doug Busko – DEA
Nancy Aldrich – City of Richland	Steve King – RH2 Engineering
Greg Wilson – Gray & Osborne	Beth Kochur – HDR Engineering
Michele Brich – Tri-Cities Homebuilders	Art Tackett – City of Connell
Mel Schaefer – MGS Engineering	Mark Ewbank – Herrera Consultants
Paula Cox – Chelan County	

### PURPOSE OF MEETING:

This meeting was held to gather the core subcommittee members and at-large members to discuss:

- ❖ The possibility of using existing manuals as the basis for some sections of the manual;
- ❖ The various climatic regions of Eastern Washington, and how the manual will address the differences between the regions; and
- ❖ Other issues that will affect the content of the manual.

## **AGENDA FOR THIS MEETING:**

1. Introductions of subcommittee members and members at-large
2. Summary of this morning's discussion
3. Purpose of the subcommittee
4. Purpose of this afternoon's discussion
5. Open discussion of stormwater issues
6. Manual outline
7. Next steps
8. Next meeting: date, time, and place

## **BRIEF SUMMARY OF PROCEEDINGS (per each item of the agenda):**

1. Each member introduced himself or herself.
2. Steve Worley (chair of the subcommittee for Manual) briefly summarized the discussion of the manual in the morning session, including the work to be done by Mel Schaefer on the hydrologic regions of E. Washington, and the availability of existing stormwater manuals that have already addressed some of the issues we need to address.
3. Steve explained that the past eighteen months of work has led to this point, and that the subcommittee now has the opportunity to jump in and start real work on the manual.
4. Steve said that the purpose of this afternoon's discussion was to flesh out the major issues, and discuss the content and format of the manual.
5. The floor was opened up for general, open discussion. The major themes of the discussion were:

There was strong agreement that applicable content could be "lifted" from other manuals and placed in our manual, assuming that it is fully reviewed for applicability to Eastern Washington.

Michele Brich suggested that there needs to be a logical way to organize the regions of the state with the requirements in that particular region, such as a matrix.

Possible matrix variables include:

- Urban vs. rural
- Rainfall
- Soil type
- Endangered Species Act
- Direct discharge to surface water
- Site over a sole source aquifer
- Long linear projects, such as road widenings

Mel Schaefer gave a brief description of how the four regions of Eastern Washington shown on his poster were determined, and the differences in how precipitation falls in each region.

Dust control shouldn't be in the manual – more of an air quality issue.

General discussion of whether it is important to delineate and name the climatic regions for use in the matrix, or if precipitation could be the main factor in how stormwater is handled. Discussion revealed that delineating the regions will play a significant role in how requirements will be applied to each region.

Designers of Erosion and Sediment Control plans should undergo certification program.

Richland doesn't allow drywells in R/W.

WSDOT is studying traction sand and deicers as stormwater pollutants, and reviewing applicability of BMP's to deal with them.

The manual needs to have the capability to be appended by local jurisdictions, if there are additional issues that need to be addressed at the local level.

Cost impacts of the BMP's needs to be considered.

Review WAC 296-800 for an example of a clearly written rule.

Short discussion regarding whether the group thought it was appropriate to include a section on conveyance in the manual. Most agreed that it would be beneficial, although some members were concerned about dictating the minimum recurrence interval for sizing culverts and channels. It was agreed that this matter would be reviewed further.

6. Doug Busko reviewed the outline of the manual, which had been handed out in the morning session. He said that many of the topics that had been brought up in the open discussion fit well within the framework of the outline, especially in regards to the notion of a matrix to guide the designer through the design process. There was general agreement among the committee that the outline as proposed was acceptable as a starting point.
7. For the next meeting:
  - ❖ A more fully developed outline of the manual will be reviewed and discussed
  - ❖ Mel Schaefer will provide additional information on the hydrology of Eastern Washington
  - ❖ The first draft of the matrix of minimum requirements will be presented and discussed
  - ❖ Further discussion of which sections of the manual can be lifted from other manuals
8. The next meeting will be at the Moses Lake Conference Center on December 13, from 9am (verify) to 2pm. Lunch will be ordered at the beginning of meeting so that we can work through lunch.